

5.0 CONCLUSIONS AND RECOMMENDATIONS

Boeing Realty engaged the services of American Integrated Services (AIS) for the closure of one Underground Storage Tank (UST) located at 19503 South Normandie Avenue in Los Angeles, California. Permit was obtained from the City of Los Angeles Fire Department (LAFD) for the removal of the UST. The UST consisted of one split, 5,000-gallon tank, containing gasoline. Associated piping and dispenser were also removed.

Soil samples were collected after removal of the USTs and dispenser. The purpose of the soil sampling was to determine whether contents previously stored in the UST had impacted the surrounding subsurface soil. The number of collected soil samples and the performed chemical analysis followed the guidelines set by the LAFD. A total of three soil samples were collected and analyzed, for Total Petroleum Hydrocarbons as gasoline (TPH-G) using EPA Method 8015M, benzene, toluene, ethylbenzene, xylenes (BTEX) and methyl tertiary butyl ether (MTBE) by EPA Method 8021B, and for Total Lead by EPA Method 7420.

Relatively low concentrations of toluene (0.087 mg/Kg) and xylenes (0.015 mg/Kg) were measured towards the southern section of the tank. Gasoline at 1.7 mg/Kg was measured under the dispenser. These levels are well below the clean-up guidelines provided by the RWQCB – Los Angeles Region.

MTBE was measured only in one soil sample (under the northern section of the tank) at 0.39 mg/Kg. There is no soil clean-up guideline for MTBE, however, the Maximum Contaminant Level for MTBE in drinking water has been set at 0.013 mg/L. Based on the fact that MTBE was measured in only one soil sample out of three collected samples, and the distance to groundwater (about 100 feet below grade, or about 90 feet below the collected soil sample with MTBE detection), it appears unlikely that the groundwater would be affected from former operation of this removed UST.

Based on the analytical results, no further action is needed. AIS requests that closure be granted for the removal of this 5,000-gallon UST.

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